

Lista de lucrări

A. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii

- **A. Chirilă, M. Marin, A. Montanaro, *On adaptive thermo-electro-elasticity within a Green-Naghdi type II or III theory*, **Continuum Mechanics and Thermodynamics**, 2019 (Springer Berlin Heidelberg) (versiune online) (ISI) (FI 2018: 2.311, SRI 2018: 1.955)**
<https://link.springer.com/article/10.1007/s00161-019-00766-2>, Print ISSN 0935-1175, Online ISSN 1432-0959

- **M. Marin, A. Chirilă, M.I.A. Othman, *An extension of Dafermos's results for bodies with a dipolar structure*, **Applied Mathematics and Computation**, 361:680-688, 2019 (Elsevier) (FI 2018: 2.300, SRI 2018: 0.970)** <https://www.sciencedirect.com/science/article/abs/pii/S0096300319304898>, <https://doi.org/10.1016/j.amc.2019.06.024>, ISSN 0096-3003

- **A. Chirilă, M. Marin, *The theory of generalized thermoelasticity with fractional order strain for dipolar materials with double porosity*, **Journal of Materials Science**, 53(5):3470-3482, 2018 (WOS: 000417731300029) (Springer US) (ISI) (FI 2018: 2.993, SRI 2018: 1.256)**
<https://link.springer.com/article/10.1007/s10853-017-1785-z>, DOI: 10.1007/s10853-017-1785-z, Print ISSN 0022-2461, Online ISSN 1573-4803

- **A. Chirilă, R. P. Agarwal, M. Marin, *Proving uniqueness for the solution of the problem of homogeneous and anisotropic micropolar thermoelasticity*, **Boundary Value Problems**, 2017(3):1-14, 2017 (Springer International Publishing Switzerland) (Zbl 1357.35005, MR3591513, WOS: 000396134700001) (ISI) (FI 2018: 1.156, SRI 2018: 0.541)**
<https://link.springer.com/article/10.1186/s13661-016-0734-0>, DOI: 10.1186/s13661-016-0734-0, Online ISSN 1687-2770

- **M. Marin, A. Chirilă, A. Ochsner, S. Vlas, *About finite energy solutions in thermoelasticity of micropolar bodies with voids*, **Boundary Value Problems**, 2019(89):1-14, 2019 (Springer International Publishing Switzerland) (WOS: 000468144800001) (ISI) (FI 2018: 1.156, SRI 2018: 0.541)** <https://link.springer.com/article/10.1186/s13661-019-1203-3>, DOI: 10.1186/s13661-019-1203-3 Online ISSN 1687-2770

- **A. Chirilă, *A new type of q-Szasz-Mirakjan operators*, **Filomat**, 31(18):5617-5628, 2017 (MR3744165, WOS: 000428734700010) (ISI) (FI 2018: 0.635, SRI 2018: 0.343)**
<http://journal.pmf.ni.ac.rs/filomat/index.php/filomat/article/view/4938/2472>, DOI: 10.2298/FIL1718617C, ISSN 0354-5180

- **M. Marin, A. Chirilă, L. Codarcea, S. Vlas, *On vibrations in Green-Naghdi thermoelasticity of dipolar bodies*, **Analele Stiintifice ale Universitatii Ovidius Constanta - Seria Matematica**, 27(1):125-140, 2019 (WOS: 000465369400007) (ISI) (FI 2018: 0.452, SRI 2018: 0.272)**
http://www.anstuocmath.ro/mathematics/anale2019vol1/6_Marin%20M.,%20Chirila%20A.,%20Codarcea%20L.,%20Vlas%20S..pdf, DOI: 10.2478/auom-2019-0007, ISSN 1224-1784, Electronic ISSN 1844-0835

- **M. Marin, R. Ellahi, A. Chirilă, *On solutions of Saint-Venant's problem for elastic dipolar bodies with voids*, **Carpathian Journal of Mathematics**, 33(2):199-212, 2017 (Zbl 1399.74007, MR3701222,**

WOS: 000411780600009) (ISI) (FI 2018: 0.878, SRI 2018: 0.250)

[https://www.carpathian.cunbm.utcluj.ro/wp-](https://www.carpathian.cunbm.utcluj.ro/wp-content/uploads/2017_vol_33_2/carpathian_2017_33_2_219_232_abstract.pdf)

[content/uploads/2017_vol_33_2/carpathian_2017_33_2_219_232_abstract.pdf](https://www.carpathian.cunbm.utcluj.ro/wp-content/uploads/2017_vol_33_2/carpathian_2017_33_2_219_232_abstract.pdf), Print ISSN 1584-2851, Electronic ISSN 1843-4401

- M. Marin, L. Codarcea, A. Chirilă, *Qualitative results on mixed problem of micropolar bodies with microtemperatures*, **Applications and Applied Mathematics - An International Journal**, 12(2):776-789, 2017 (Zbl 1386.74005, MR3737186, WOS: 000418606200009) (indexat ISI, fără factor de impact) http://www.pvamu.edu/mathematics/wp-content/uploads/sites/49/09_R997_AAM_Marin_MM_010917_V12_I2_Dec_2017.pdf, ISSN 1932-9466
- L. Codarcea-Munteanu, A. Chirilă, M. Marin, *Modeling fractional order strain in dipolar thermoelasticity*, **9th Vienna International Conference on Mathematical Modelling, IFAC PapersOnLine**, 51(2):601-606, 2018 (Elsevier) (WOS: 000435693000103) (indexat ISI, fără factor de impact) <https://www.sciencedirect.com/science/article/pii/S240589631830106X>, ISSN 2405-8963

B. Teza de doctorat

C. Brevete de invenție și alte tipuri de proprietate industrială

D. Cărți și capitole în cărți

- A. Chirilă, M. Marin, *Diffusion in microstretch thermoelasticity with microtemperatures and microconcentrations*, in C. Flaut, Š. Hošková-Mayerová, D. Flaut (eds.) **Models and Theories in Social Systems. Studies in Systems, Decision and Control**, 179:149-164, 2019 (Springer Cham) (indexat BDI, capitol de carte) https://link.springer.com/chapter/10.1007%2F978-3-030-00084-4_8, Print ISBN 978-3-030-00083-7, Online ISBN 978-3-030-00084-4

E. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

a) Articole publicate în reviste cotate ISI Web of Science

- A. Chirilă, M. Marin, A. Montanaro, *On adaptive thermo-electro-elasticity within a Green-Naghdi type II or III theory*, **Continuum Mechanics and Thermodynamics**, 2019 (Springer Berlin Heidelberg) (versiune online) (ISI) (FI 2018: 2.311, SRI 2018: 1.955) <https://link.springer.com/article/10.1007/s00161-019-00766-2>, Print ISSN 0935-1175, Online ISSN 1432-0959
- M. Marin, A. Chirilă, M.I.A. Othman, *An extension of Dafermos's results for bodies with a dipolar structure*, **Applied Mathematics and Computation**, 361:680-688, 2019 (Elsevier) (FI 2018: 2.300, SRI 2018: 0.970) <https://www.sciencedirect.com/science/article/abs/pii/S0096300319304898>, <https://doi.org/10.1016/j.amc.2019.06.024>, ISSN 0096-3003
- A. Chirilă, M. Marin, *The theory of generalized thermoelasticity with fractional order strain for dipolar materials with double porosity*, **Journal of Materials Science**, 53(5):3470-3482, 2018 (WOS: 000417731300029) (Springer US) (ISI) (FI 2018: 2.993, SRI 2018: 1.256) <https://link.springer.com/article/10.1007/s10853-017-1785-z>, DOI: 10.1007/s10853-017-1785-z, Print ISSN 0022-2461, Online ISSN 1573-4803

- **A. Chirilă**, R. P. Agarwal, M. Marin, *Proving uniqueness for the solution of the problem of homogeneous and anisotropic micropolar thermoelasticity*, **Boundary Value Problems**, 2017(3):1-14, 2017 (Springer International Publishing Switzerland) (Zbl 1357.35005, MR3591513, WOS: 000396134700001) (ISI) (FI 2018: 1.156, SRI 2018: 0.541) <https://link.springer.com/article/10.1186/s13661-016-0734-0>, DOI: 10.1186/s13661-016-0734-0, Online ISSN 1687-2770

- M. Marin, **A. Chirilă**, A. Ochsner, S. Vlas, *About finite energy solutions in thermoelasticity of micropolar bodies with voids*, **Boundary Value Problems**, 2019(89):1-14, 2019 (Springer International Publishing Switzerland) (WOS: 000468144800001) (ISI) (FI 2018: 1.156, SRI 2018: 0.541) <https://link.springer.com/article/10.1186/s13661-019-1203-3>, DOI: 10.1186/s13661-019-1203-3 Online ISSN 1687-2770

- **A. Chirilă**, *A new type of q -Szász-Mirakjan operators*, **Filomat**, 31(18):5617-5628, 2017 (MR3744165, WOS: 000428734700010) (ISI) (FI 2018: 0.635, SRI 2018: 0.343) <http://journal.pmf.ni.ac.rs/filomat/index.php/filomat/article/view/4938/2472>, DOI: 10.2298/FIL1718617C, ISSN 0354-5180

- M. Marin, **A. Chirilă**, L. Codarcea, S. Vlas, *On vibrations in Green-Naghdi thermoelasticity of dipolar bodies*, **Analele Stiintifice ale Universitatii Ovidius Constanta - Seria Matematica**, 27(1):125-140, 2019 (WOS: 000465369400007) (ISI) (FI 2018: 0.452, SRI 2018: 0.272) http://www.anstuocmath.ro/mathematics/anale2019vol1/6_Marin%20M.,%20Chirila%20A.,%20Codarcea%20L.,%20Vlas%20S..pdf, DOI: 10.2478/auom-2019-0007, ISSN 1224-1784, Electronic ISSN 1844-0835

- M. Marin, R. Ellahi, **A. Chirilă**, *On solutions of Saint-Venant's problem for elastic dipolar bodies with voids*, **Carpathian Journal of Mathematics**, 33(2):199-212, 2017 (Zbl 1399.74007, MR3701222, WOS: 000411780600009) (ISI) (FI 2018: 0.878, SRI 2018: 0.250) https://www.carpathian.cunbm.utcluj.ro/wp-content/uploads/2017_vol_33_2/carpathian_2017_33_2_219_232_abstract.pdf, Print ISSN 1584-2851, Electronic ISSN 1843-4401

b) Articole publicate în reviste indexate ISI

- M. Marin, S. Vlas, L. Codarcea-Munteanu, **A. Chirilă**, *A generalization of the minimum principle energy for Cosserat porous materials*, **Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering**, 60(4):479-484, 2017 (WOS: 000428901100006) (indexat ISI, fără factor de impact) <https://atna-mam.utcluj.ro/index.php/Acta/article/view/921>, ISSN 1221-5872

- M. Marin, L. Codarcea, **A. Chirilă**, *Qualitative results on mixed problem of micropolar bodies with microtemperatures*, **Applications and Applied Mathematics - An International Journal**, 12(2):776-789, 2017 (Zbl 1386.74005, MR3737186, WOS: 000418606200009) (indexat ISI, fără factor de impact) http://www.pvamu.edu/mathematics/wp-content/uploads/sites/49/09_R997_AAM_Marin_MM_010917_V12_I2_Dec_2017.pdf, ISSN 1932-9466

c) Articole publicate în reviste indexate BDI

- A. Chirilă, *Generalized micropolar thermoelasticity with fractional order strain*, **Bulletin of the Transilvania University of Brasov, Series III: Mathematics, Informatics, Physics**, 10(59)(1):83-90, 2017 (Zbl 1399.74010, MR3680884) (BDI)
<http://webbut.unitbv.ro/Bulletin/Series%20III/2017/BULETIN%20I%20PDF/8.%20Chirila.pdf>, ISSN 2065-2151 (Print), ISSN 2065-216X (CD-ROM)

F. Publicații în extenso, apărute în volume ale principalelor conferințe internaționale de specialitate

- L. Codarcea-Munteanu, A. Chirilă, M. Marin, *Modeling fractional order strain in dipolar thermoelasticity*, **9th Vienna International Conference on Mathematical Modelling, IFAC PapersOnLine**, 51(2):601-606, 2018 (Elsevier) (WOS: 000435693000103) (ISI)
<https://www.sciencedirect.com/science/article/pii/S240589631830106X>, ISSN 2405-8963

G. Alte lucrări și contribuții științifice
